

DANIEL ADITYA WARIH

Application Development Specialist | Jakarta, Indonesia

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SUMMARY

Software engineer with 2+ years of experience building backend services, enterprise applications, and system integrations at BCA Finance. Works mainly with Java (Spring Boot), PHP, SQL Server, and Angular, and is comfortable owning features end-to-end, from requirement analysis to deployment and monitoring. 30+ requirements delivered. Certified Database Programmer (BNSP) and Google TensorFlow Developer.

PROFESSIONAL EXPERIENCES

BCA FINANCE

March 2025 - Present

Application Development Specialist (Full Stack Developer), Jakarta | Full-time

- Build internal backend services with Java Spring Boot and SQL Server, and PHP/Angular web applications for operations and sales, delivering 30+ requirements end-to-end (analysis to deployment); features often shipped within 1–2 development cycles.
- Built an event-driven WhatsApp and email document delivery service on Solace event broker, processing **2,000+ messages per day**.
- Designed a data archival scheduler that cut storage usage from **2TB to 1TB**.
- Led 2 developers in rewriting the Virtual Account (VA) application from PHP 5 / CodeIgniter 2 to PHP 8.5 / CodeIgniter 4, including SSO integration and migration to a new server.
- Delivered CDC (Debezium) and VA payment features for EMAS; built the Angular front end for E-Invoice; developed PHP web applications for BCA EXPO sales events.
- Deploy and monitor applications using Docker, GitLab CI/CD, and Rancher.

BCA FINANCE

March 2024 - February 2025

Professional Development Program – Technology (Management Trainee), Jakarta | Full-time

- Completed technical training and rotations across several IT teams to learn business processes and enterprise development workflows.
- Final project: **OTOPATH**, a web app (Angular, Java Spring Boot, SQL Server) that automatically generates brochures from vehicle credit simulations.
- Bootcamp project: **Score Prediction App** (Spring Boot, Angular, Kotlin Android, Flask) with an ML model that predicts the risk score of customers likely to default.

BANGKIT ACADEMY LED BY GOOGLE, TOKOPEDIA, GOJEK, & TRAVELOKA

February 2023 - July 2023

Machine Learning Mentor, Remote Indonesia | Contract

- Mentored 25 university students in Machine Learning through personal feedback, progress tracking, and project evaluation, helping them apply ML concepts to real-world projects.

PANCASILA UNIVERSITY

February 2021 - January 2022

Laboratory Assistant, Jakarta | Part-time

- Assisted four courses: Algorithms & Data Structures (C++), Algorithms & Programming (C++), Object-Oriented Programming (Java), and Web Design (HTML, CSS, Bootstrap, Figma).

SELECTED PROJECTS (BCA FINANCE)

EMAS Motor (KSM) | PHP, CodeIgniter 3, SQL Server, Java Spring Boot, Solace, CDC Debezium, Docker, Rancher

- Built a CDC service (Debezium + Spring Boot listener) and a down-payment feature via BCA Virtual Account: payments are captured from Solace and tables update automatically.
- Added SPK application status tracking and monitoring reports using SQL Server CTEs; continued enhancements on existing features per business needs. Also added a delivery-priority column to EMAS Mobil (KKB) reports.

Virtual Account Application Rewrite | PHP 8.5, CodeIgniter 4, SQL Server 2025, Docker, GitLab CI/CD, SSO

- Led 2 developers; analyzed the impact and scale of the rewrite, refactored the codebase, and upgraded existing queries to be compatible and optimized for SQL Server 2025.

- Integrated with internal SSO (single login) and moved the app to a new, more stable server.

E-Invoice Application | *Angular 18, TypeScript, Java Spring Boot, PHP, Solace, Rancher*

- Built the front end for pending-data input and file upload, including camera capture inside the FINA Showroom mobile app web view, integrated with SSO and backend APIs.
- Added new endpoints to an existing Spring Boot service and fixed CMS UI findings on the PHP side.

One ME & DMS Integration | *SQL Server, SSIS, Java Spring Boot, Docker, Rancher*

- Built SSIS packages feeding an engine that moves files from the source to DMS (2TB internal storage), plus a retention scheduler that cleans up source files after migration.

e-Polis & Contract Document Delivery | *Java Spring Boot, SQL Server stored procedures, Solace, WhatsApp/Email integration*

- Built rule-based job schedulers that send documents via WhatsApp or email; a Solace listener processes delivery results to decide the next step. Added delivery tracking to the PHP DMS application.

Deskcoll & Ecentrix (Collections) | *SQL Server, SSIS, PHP*

- Wrote SQL Server query views and monitored the collection data flow so prepared data reaches the right customers per business rules.

PERSONAL PROJECTS

- **Code Viewer** (Go, Git, AST parsing, CLI): CLI tool that summarizes Git changes for code review, classifies change types, and analyzes changed functions via AST.
- **API Blaster** (Go, REST API): CLI tool that hits an API repeatedly with auto-filled JSON request bodies.
- **Run At The Night** (Unity ML Agents, C#): thesis project, an endless runner played by a reinforcement-learning agent.

TECHNICAL SKILLS

- **Backend:** Java, Spring Boot, PHP, CodeIgniter, Go, Kotlin
- **Frontend:** TypeScript, Angular, JavaScript, HTML/CSS, Bootstrap
- **Database:** SQL Server (T-SQL: SP, CTE, View, Subquery), SSIS, PostgreSQL, MySQL, Redis
- **DevOps & Integration:** Docker, Kubernetes, Rancher, GitLab CI/CD, Nginx, REST API, Solace, CDC Debezium, Swagger, Postman, Git
- **Practices:** Query optimization, system design, code review, refactoring, code and database migration, technical leadership
- **ML / AI:** Python, TensorFlow, Keras, Scikit-Learn, Pandas

EDUCATION

PANCASILA UNIVERSITY, JAKARTA

September 2019 - February 2023

Bachelor of Engineering, Informatics Engineering (Specialization: Artificial Intelligence) | GPA: 3.84/4.00

CERTIFICATIONS

- Competency Certificate in Database Programming, Indonesian Professional Certification Authority
- Google TensorFlow Developer Certificate, TensorFlow Certificate Program
- Fullstack Developer Training (Angular, Kotlin, Spring Boot, Docker, SQL Server, Kafka), BCA Finance x JuaraCoding
- Go: The Complete Guide and Angular: The Complete Guide, Udemy
- Bangkit Academy 2022, Machine Learning Path: graduated with Distinction (93.75)